

Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Listing of Claims:

1-6. (canceled)

7. (currently amended) An automatic analyzer for analyzing analysis items corresponding to physical properties of a specimen comprising:

an analyzing unit for analyzing the physical properties of said components of a specimen to be analyzed;

a reaction vessel for containing a liquid ~~including which includes~~ said specimen and a reagent ~~corresponding to an analysis item of said specimen~~,

a first means for generating an acoustic wave located laterally outside of said reaction vessel for irradiating an acoustic wave toward said reaction vessel,

a second means for generating a lower acoustic wave which is irradiated from a bottom of the reaction vessel towards a level of said liquid so as to raise a part of said liquid level by an acoustic radiation pressure of said lower acoustic wave, and

a control means for controlling a position for irradiation of the acoustic wave by said first means for generating an acoustic wave according to said liquid level,

wherein said part of the liquid level raised by said acoustic wave from said second means for generating a lower acoustic wave is irradiated with said acoustic wave from said first means for generating an acoustic wave by controlling said

position of the acoustic wave irradiated from said first means for generating an acoustic wave.

8. (currently amended) An automatic analyzer according to claim 17, further comprising a storage means for storing the acoustic wave irradiation position of the acoustic wave irradiated from said first means for generating an acoustic wave in an associated format for each of a plurality of analysis items,

wherein said control means refers to stored data in said storage means to determine the irradiation position of the acoustic wave irradiated from said first means for generating an acoustic wave in conformance to each analysis item.

9. (currently amended) An automatic analyzer according to claim 17, further comprising a storage means for storing an amount of specimen and reagent required for each of a plurality of analysis items in an associated format,

wherein said control means refers to stored data in said storage means to calculate the liquid level of the specimen and reagent contained in the reaction vessel in conformance to each analysis item to be analyzed, and to determine the irradiation position of the acoustic wave irradiated from said first means for generating an acoustic wave according to the calculated liquid level.

10. (currently amended) An automatic analyzer according to claim 17, further comprising a receiving means for receiving a command on the position for irradiation

of the acoustic wave irradiated from said first means for generating an acoustic wave,

wherein said control means determines the irradiation position of the acoustic wave irradiated from said first means for generating an acoustic wave according to the command received by said receiving means.

11. (currently amended) An automatic analyzer ~~for analyzing analysis items corresponding to physical properties of a specimen comprising:~~

an analyzing unit for analyzing ~~the physical properties of said~~ components of a specimen to be analyzed,

a reaction vessel for containing a liquid ~~including~~ which includes said specimen and a reagent ~~corresponding to an analysis item of said specimen,~~

a first means for generating an acoustic wave which is irradiated outside of said reaction vessel for irradiating an acoustic wave toward said reaction vessel,

a second means for generating a lower acoustic wave which is irradiated from a bottom of the reaction vessel towards a liquid level of said liquid so as to raise a part of said liquid level by an acoustic radiation pressure of said lower acoustic wave, and

an angularly moveable acoustic wave reflecting means mounted adjacent the bottom of the reaction vessel for reflecting said lower acoustic wave; and

a control means for ~~controlling~~ changing an angle of said acoustic wave
reflecting means ~~for~~ to control an angle of irradiation of the acoustic wave by said
second means for generating a lower acoustic wave according to said liquid level,
wherein said part of the liquid level raised by said acoustic wave from said
second means for generating a lower acoustic wave is irradiated with said acoustic
wave from said first means for generating an acoustic wave by controlling said angle
of irradiation of said second means for generating a lower acoustic wave.

12. (currently amended) An automatic analyzer according to claim 17, further
comprising a storage means for storing the acoustic wave irradiation intensity of the
acoustic wave irradiated from said first means for generating an acoustic wave in an
associated format for each of a plurality of analysis items,

wherein said control means refers to stored data in said storage means to
determine the irradiation intensity of the acoustic wave generated from said first
means for generating an acoustic wave in conformance to each analysis item.

13. (currently amended) An automatic analyzer according to claim 17, further
comprising a storage means for storing the acoustic wave irradiation intensity of the
acoustic wave irradiated from said first means for generating an acoustic wave in an
associated format for ~~a plurality of reagent information~~ corresponding to each of a
plurality of analysis items, respectively,

wherein said control means refers to stored data in said storage means to determine the irradiation intensity of the acoustic wave irradiated from said first means for generating an acoustic wave in conformance to the reagent to be analyzed.

14. (currently amended) An automatic analyzer according to claim 17, further comprising a reading means for reading information on acoustic wave irradiation intensity of the acoustic wave irradiated from said first means for generating an acoustic wave recorded on a reagent bottle containing the reagent before it is poured into said reaction vessel,

wherein said control means refers to the reading of said information by said reading means to determine irradiation intensity of the acoustic wave irradiated from said first means for generating an acoustic wave in conformance to the reagent.

15. (currently amended) An automatic analyzer according to claim 17, further comprising a receiving means for receiving a command on the intensity for irradiation of the acoustic wave irradiated from said first means for generating an acoustic wave,

wherein said control means determines the irradiation intensity of the acoustic wave generated from said first means for generating an acoustic wave according to the command received by said receiving means.

16. (canceled)

17. (new) An automatic analyzer comprising:

an analyzing unit for analyzing physical properties of a specimen;

a reaction vessel for containing a liquid which includes said specimen and a reagent corresponding to an analysis item for a physical property of said specimen,

a first means for generating an acoustic wave located laterally outside of said **reaction** vessel for irradiating an acoustic wave toward said reaction vessel,

a second means for generating a lower acoustic wave which is irradiated upwardly from a bottom of the reaction vessel, and

a control means for controlling a position for irradiation of the acoustic wave by said first means for generating an acoustic wave according to a level of said liquid.